

FIG. 1

- 2 INPUT PROCESSING CIRCUIT
- 4 OUTPUT PROCESSING CIRCUIT
- 5 SWITCH CONTROL SECTION
- 6 SWITCH INFORMATION STORAGE SECTION
- 21 SWITCH SECTION
- 22 SWITCH SECTION
- 23 PROCESSING SECTION
- 24 PROCESSING SECTION
- 25 PROCESSING SECTION
- 41 SWITCH SECTION
- 42 SWITCH SECTION
- 43 PROCESSING SECTION
- 44 PROCESSING SECTION
- 45 PROCESSING SECTION

FIG. 2

2a INPUT PROCESSING CIRCUIT

21a SWITCH SECTION

22a SWITCH SECTION

23a PROCESSING CIRCUIT

24a PROCESSING CIRCUIT

25a PROCESSING CIRCUIT

FIG. 7

2c INPUT PROCESSING CIRCUIT

21c SWITCH SECTION

53 LOGICAL IC

FIG. 8

2d INPUT PROCESSING CIRCUIT
4d OUTPUT PROCESSING CIRCUIT
5 SWITCH CONTROL SECTION
6 SWITCH INFORMATION STORAGE SECTION
23 PROCESSING SECTION
24 PROCESSING SECTION
25 PROCESSING SECTION
43 PROCESSING SECTION
44 PROCESSING SECTION
45 PROCESSING SECTION

FIG. 9

21 SWITCH SECTION
22 SWITCH SECTION
23b PROCESSING SECTION
24b PROCESSING SECTION
25b PROCESSING SECTION
61 PROCESSING CIRCUIT
62 PROCESSING CIRCUIT
63 PROCESSING CIRCUIT
64 PROCESSING CIRCUIT

FIG. 11

41 SWITCH SECTION

42 SWITCH SECTION

43a PROCESSING SECTION

44a PROCESSING SECTION

45a PROCESSING SECTION

71 DRIVER CIRCUIT

72 DRIVER CIRCUIT

73 DRIVER CIRCUIT

74 DRIVER CIRCUIT

FIG. 12

41a SELECTOR

42a SELECTOR

81 - 90 DRIVER CIRCUIT

FIG. 13

- 2 INPUT PROCESSING CIRCUIT
- 4 OUTPUT PROCESSING CIRCUIT
- 5a SWITCH CONTROL SECTION
- 6 SWITCH INFORMATION STORAGE SECTION
- 7 SWITCH MANAGEMENT SECTION
- 7a AUTHORITY DATA
- 9 NAVIGATION SYSTEM
- 21 SWITCH SECTION
- 22 SWITCH SECTION
- 23 PROCESSING SECTION
- 24 PROCESSING SECTION
- 25 PROCESSING SECTION
- 41 SWITCH SECTION
- 42 SWITCH SECTION
- 43 PROCESSING SECTION
- 44 PROCESSING SECTION
- 45 PROCESSING SECTION

FIG. 15

102 INPUT PROCESSING CIRCUIT
104 OUTPUT PROCESSING CIRCUIT
105a SWITCH CONTROL SECTION
105b SWITCH CONTROL SECTION
106a SWITCH INFORMATION STORAGE SECTION
106b SWITCH INFORMATION STORAGE SECTION
121 SWITCH SECTION
122 SWITCH SECTION
123 PROCESSING SECTION
124 PROCESSING SECTION
125 PROCESSING SECTION
141 SWITCH SECTION
142 SWITCH SECTION
143 PROCESSING SECTION
144 PROCESSING SECTION
145 PROCESSING SECTION

FIG. 16

102 INPUT PROCESSING CIRCUIT
104 OUTPUT PROCESSING CIRCUIT
105a SWITCH CONTROL SECTION
105b SWITCH CONTROL SECTION
106a SWITCH INFORMATION STORAGE SECTION
106b SWITCH INFORMATION STORAGE SECTION
121 SWITCH SECTION
122 SWITCH SECTION
123 PROCESSING SECTION
124 PROCESSING SECTION
125 PROCESSING SECTION
141 SWITCH SECTION
142 SWITCH SECTION
143 PROCESSING SECTION
144 PROCESSING SECTION
145 PROCESSING SECTION

FIG. 17

102 INPUT PROCESSING CIRCUIT
104 OUTPUT PROCESSING CIRCUIT
105 SWITCH CONTROL SECTION
106 SWITCH INFORMATION STORAGE SECTION
121 SWITCH SECTION
122 SWITCH SECTION
123a PROCESSING SECTION
124a PROCESSING SECTION
125a PROCESSING SECTION
141 SWITCH SECTION
142 SWITCH SECTION
143 PROCESSING SECTION
144 PROCESSING SECTION
145 PROCESSING SECTION

FIG. 18(a)

123a PROCESSING SECTION

124a PROCESSING SECTION

125a PROCESSING SECTION

FIG. 18(b)

123a PROCESSING SECTION

124a PROCESSING SECTION

125a PROCESSING SECTION

FIG. 18(c)

123a PROCESSING SECTION

124a PROCESSING SECTION

125a PROCESSING SECTION

FIG. 21

102 INPUT PROCESSING CIRCUIT
104 OUTPUT PROCESSING CIRCUIT
105 SWITCH CONTROL SECTION
106 SWITCH INFORMATION STORAGE SECTION
123 PROCESSING SECTION
124 PROCESSING SECTION
125 PROCESSING SECTION
143 PROCESSING SECTION
144 PROCESSING SECTION
145 PROCESSING SECTION

FIG. 22

102 INPUT PROCESSING CIRCUIT
104 OUTPUT PROCESSING CIRCUIT
105 SWITCH CONTROL SECTION
106 SWITCH INFORMATION STORAGE SECTION
110 MICROCOMPUTER
121 SWITCH SECTION
122 SWITCH SECTION
123 PROCESSING SECTION
124 PROCESSING SECTION
125 PROCESSING SECTION
141 SWITCH SECTION
142 SWITCH SECTION
143 PROCESSING SECTION
144 PROCESSING SECTION
145 PROCESSING SECTION

FIG. 23

102 INPUT PROCESSING CIRCUIT
104 OUTPUT PROCESSING CIRCUIT
105 SWITCH CONTROL SECTION
106 SWITCH INFORMATION STORAGE SECTION
111 EXTERNAL CONTROL UNIT
121 SWITCH SECTION
122 SWITCH SECTION
123 PROCESSING SECTION
124 PROCESSING SECTION
125 PROCESSING SECTION
141 SWITCH SECTION
142 SWITCH SECTION
143 PROCESSING SECTION
144 PROCESSING SECTION
145 PROCESSING SECTION

FIG. 24

105c SWITCH CONTROL SECTION

106c SWITCH INFORMATION STORAGE SECTION

120 NETWORK

FIG. 25

102 INPUT PROCESSING CIRCUIT
104 OUTPUT PROCESSING CIRCUIT
105 SWITCH CONTROL SECTION
106 SWITCH INFORMATION STORAGE SECTION
121 SWITCH SECTION
122 SWITCH SECTION
123 PROCESSING SECTION
124 PROCESSING SECTION
125 PROCESSING SECTION
141 SWITCH SECTION
142 SWITCH SECTION
143 PROCESSING SECTION
144 PROCESSING SECTION
145 PROCESSING SECTION

Fig. 1

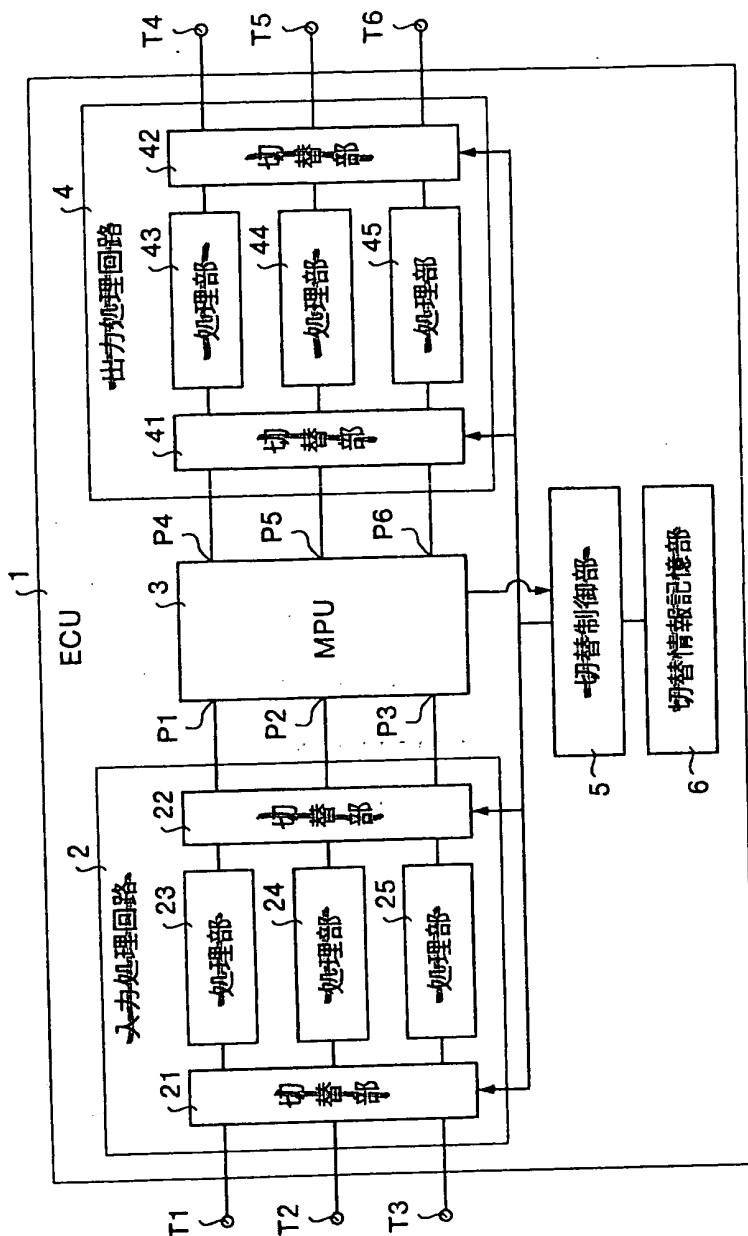


Fig. 2

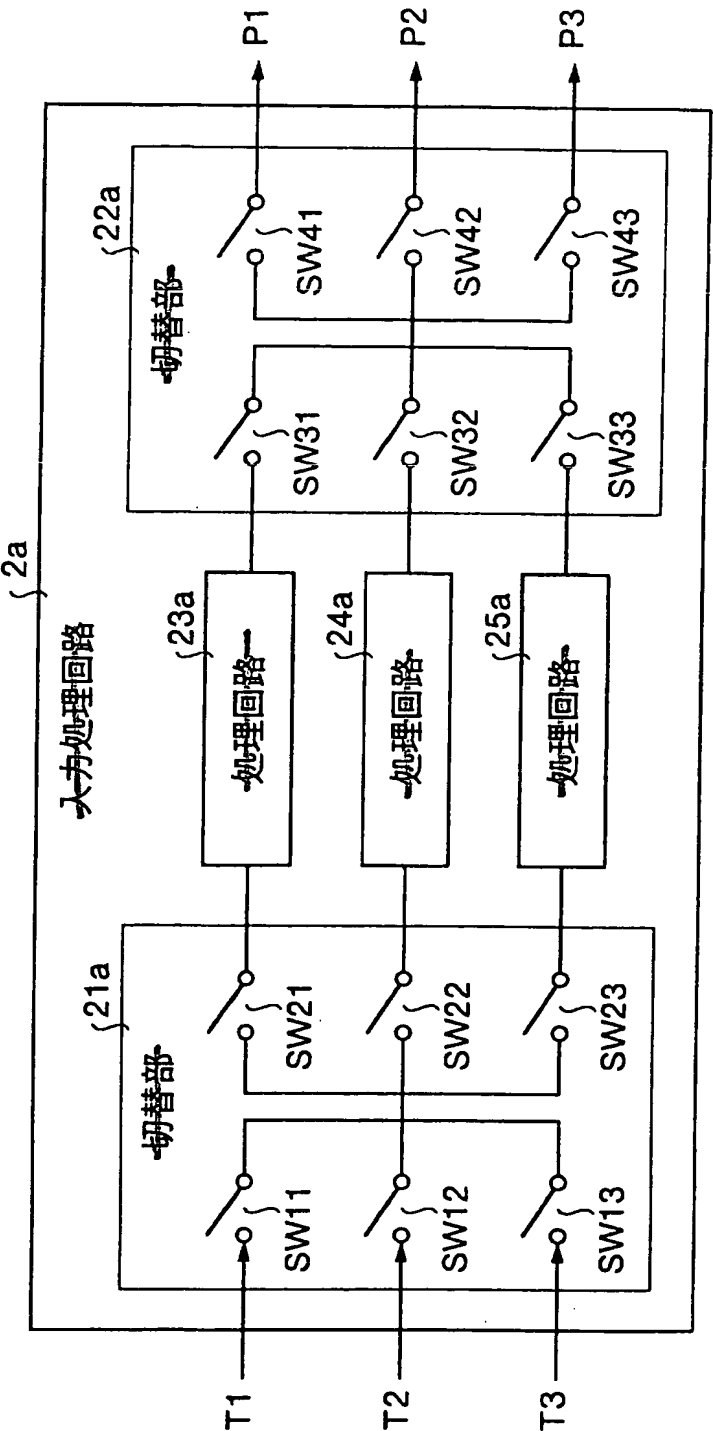


Fig. 3

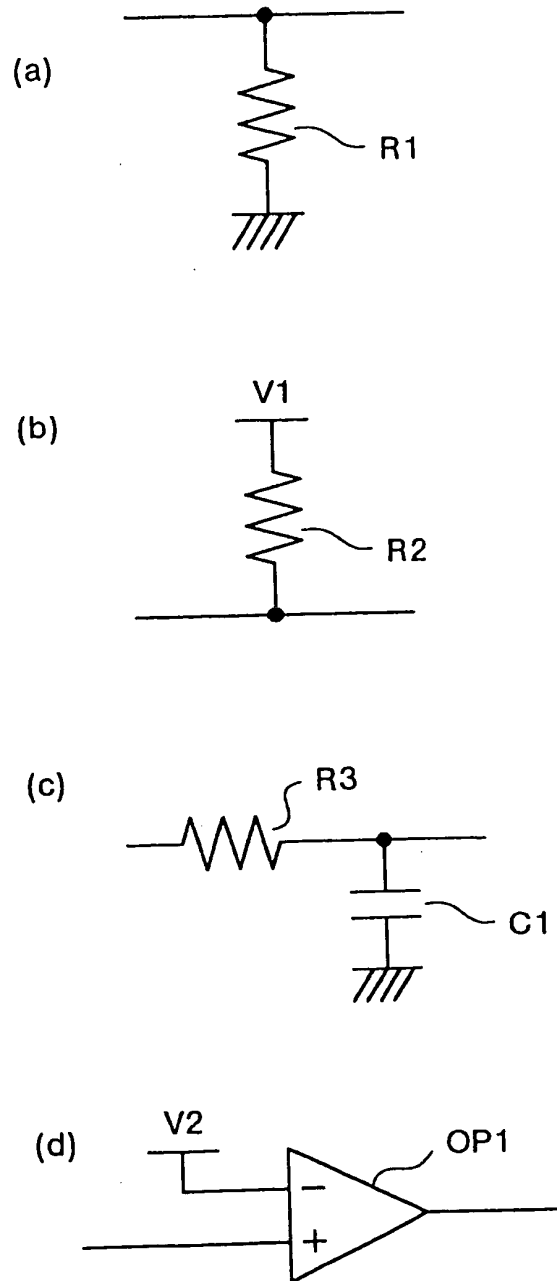


Fig. 4

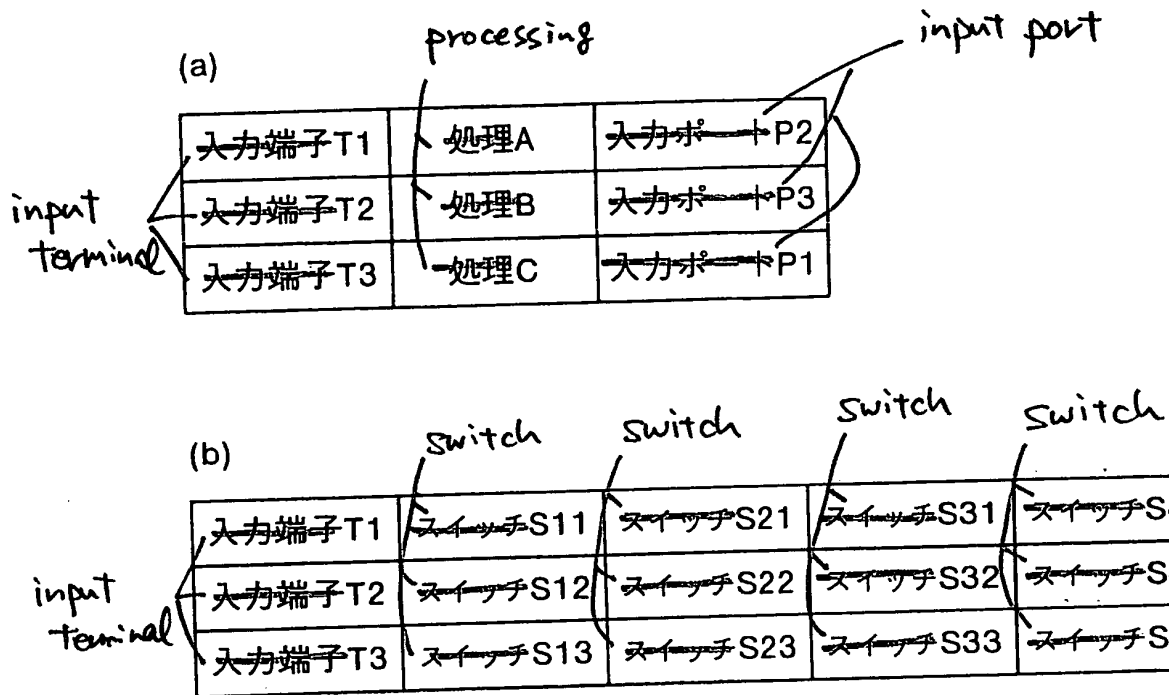


Fig. 5

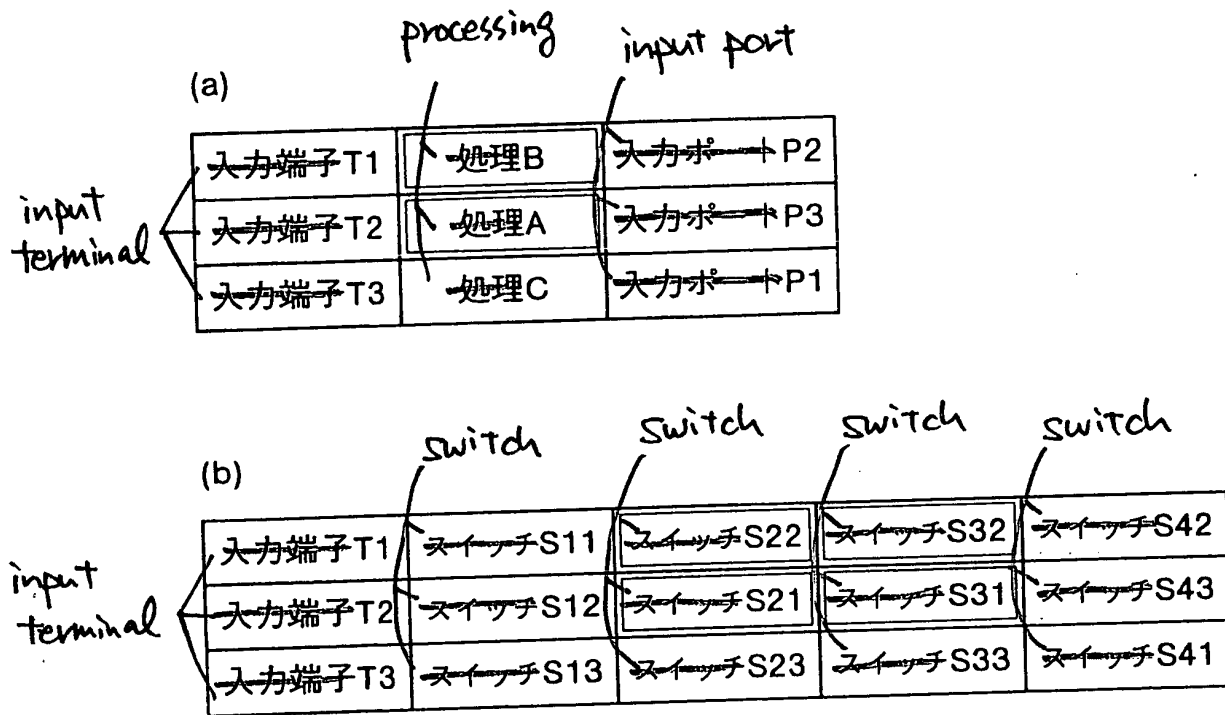


Fig. 6

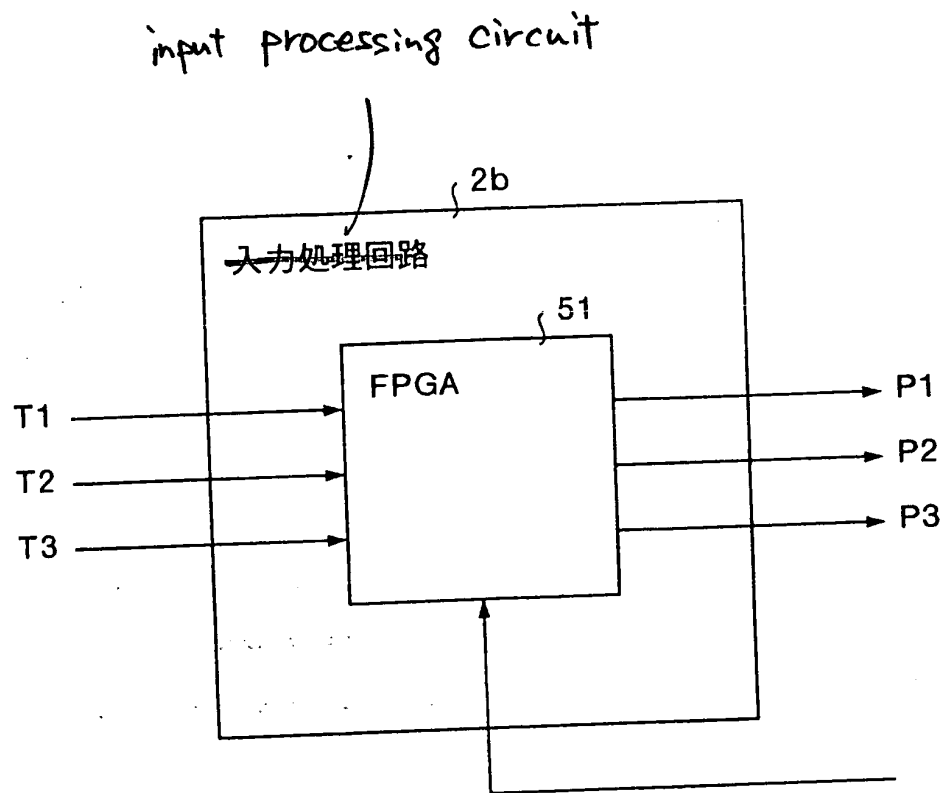


Fig. 7

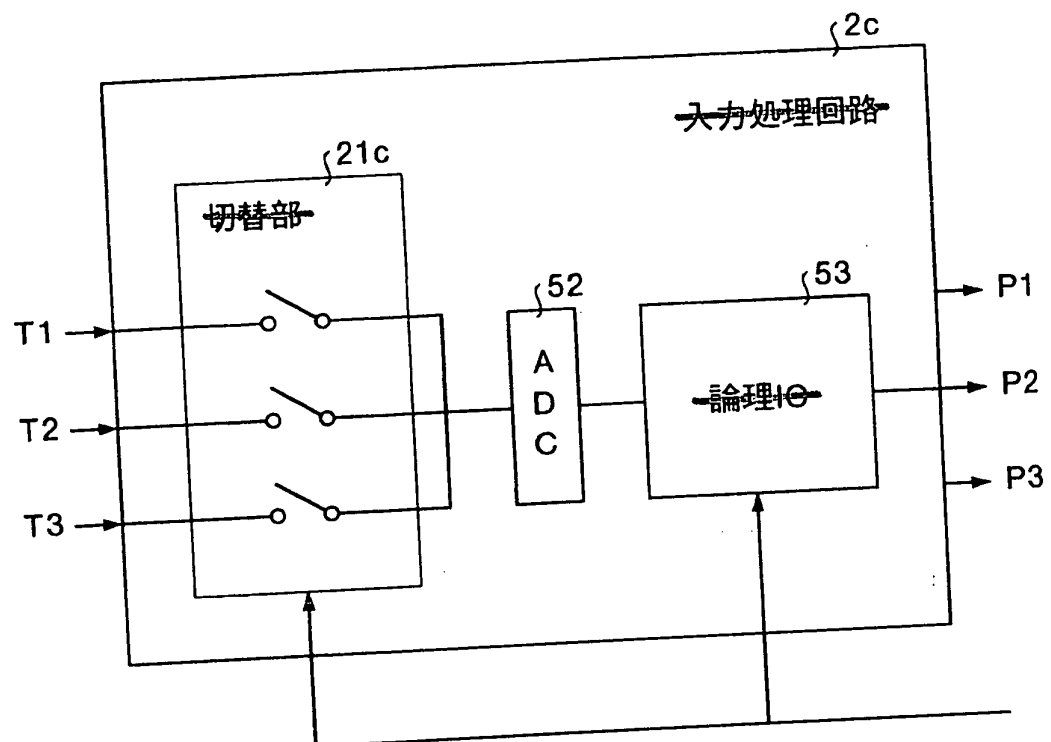


Fig. 8

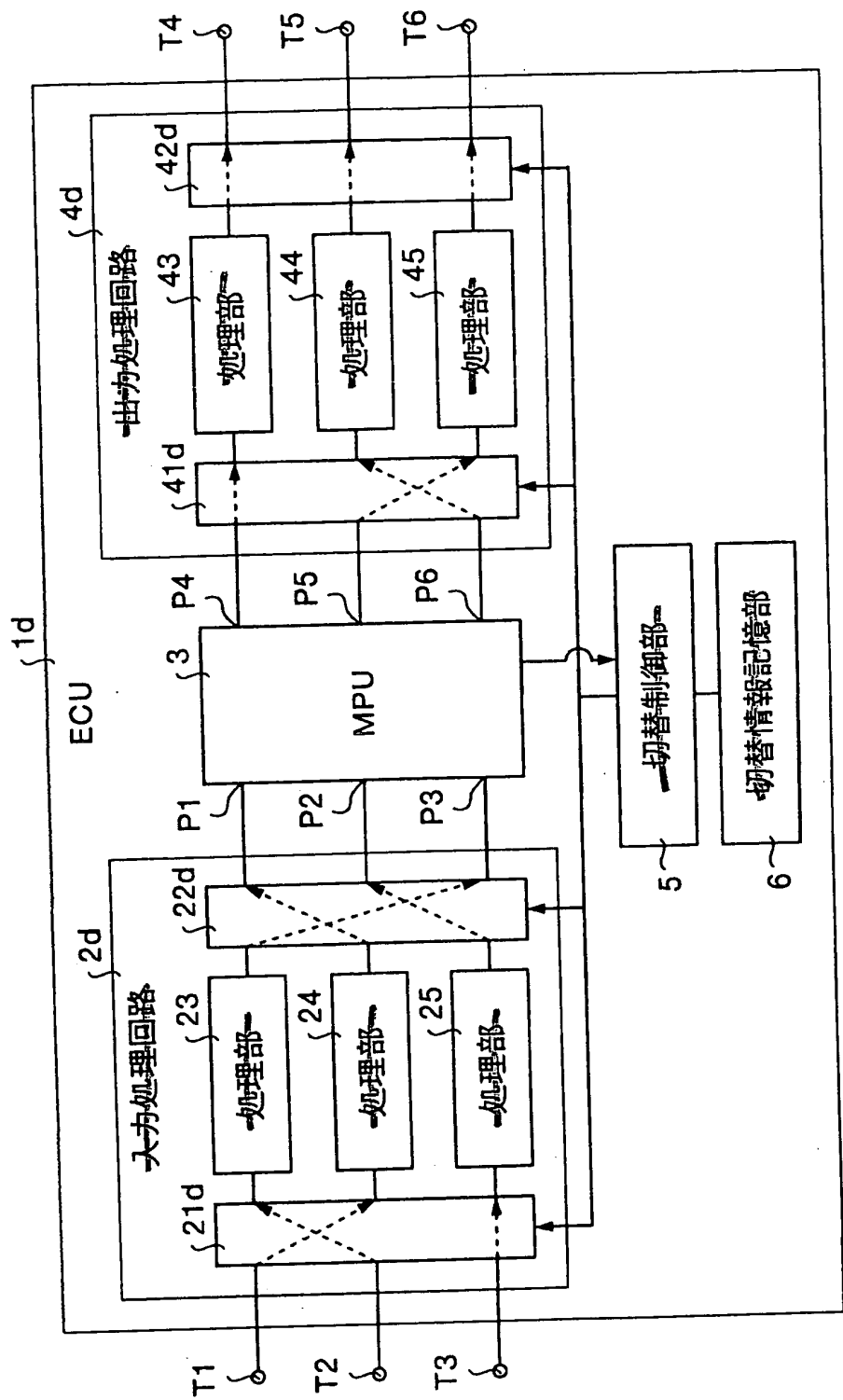


Fig. 9

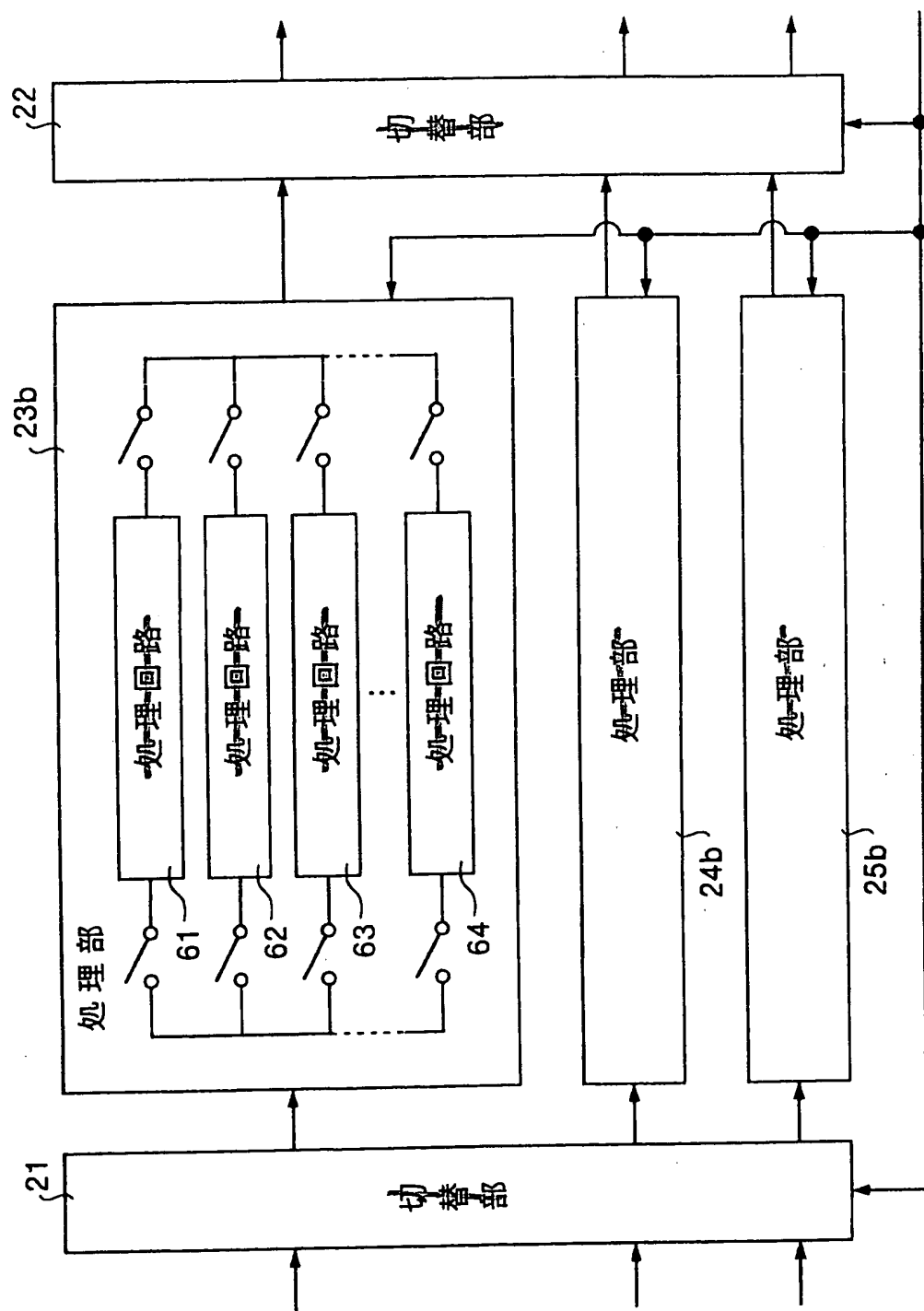


Fig. 10

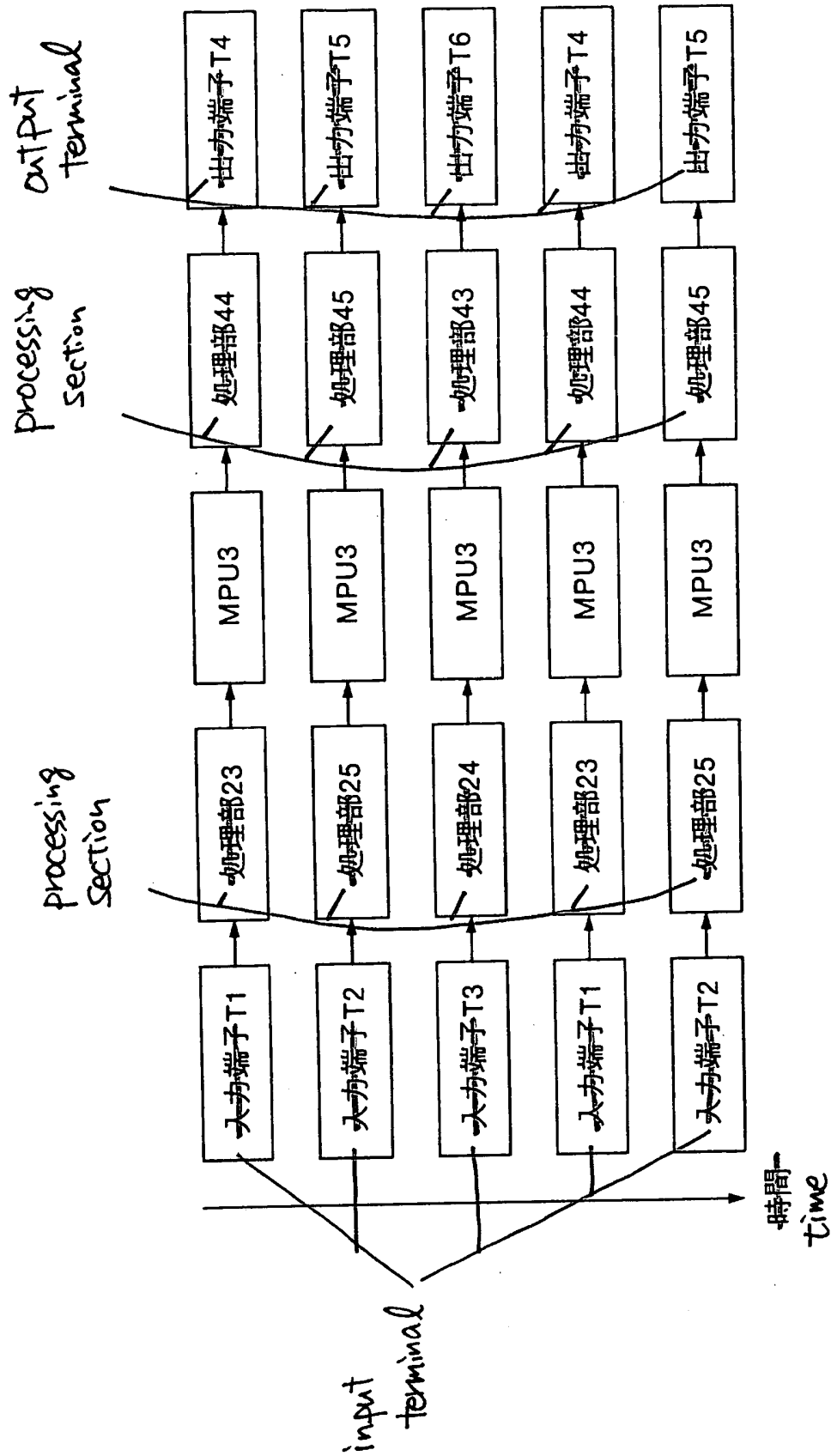


Fig. 11

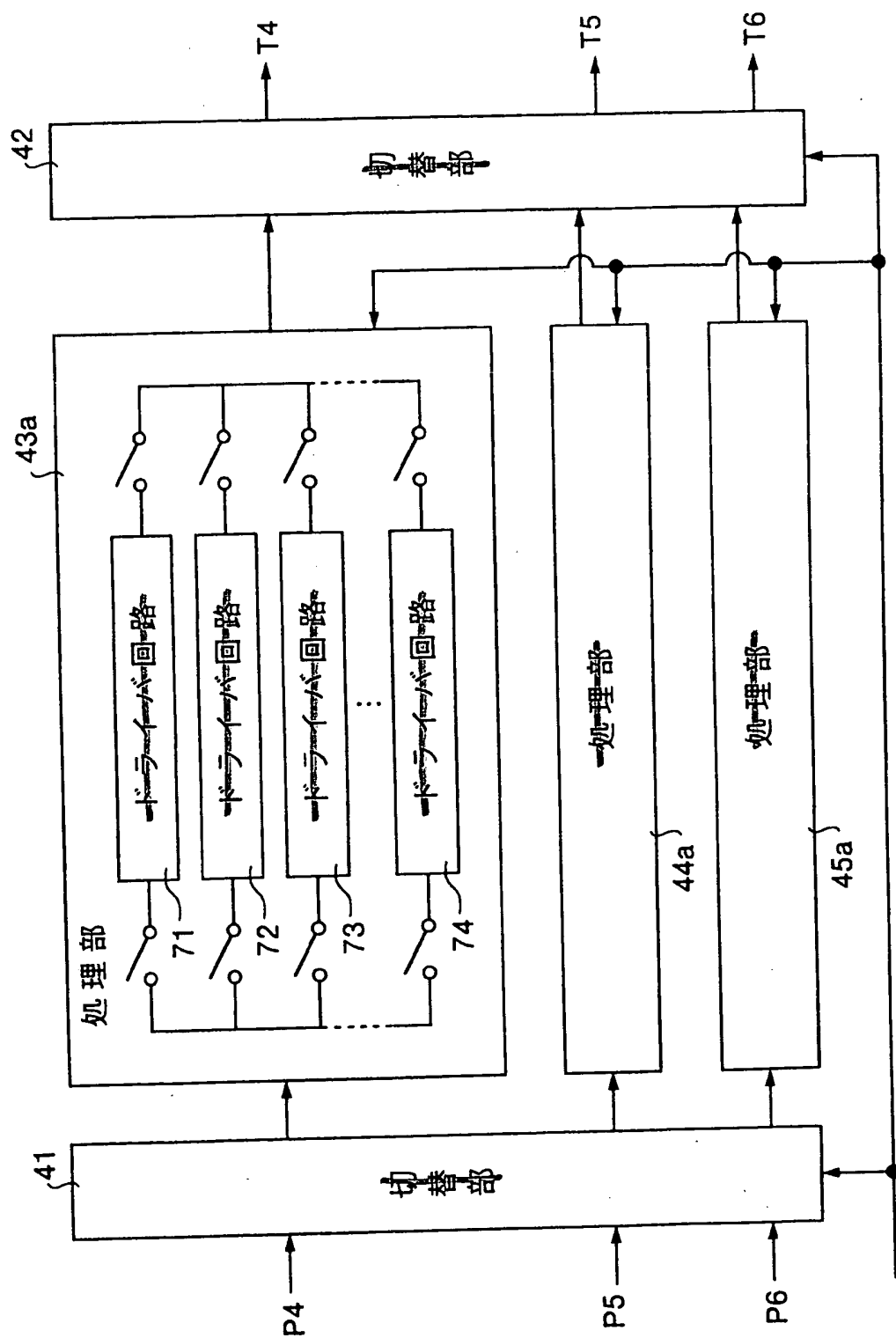


Fig. 12

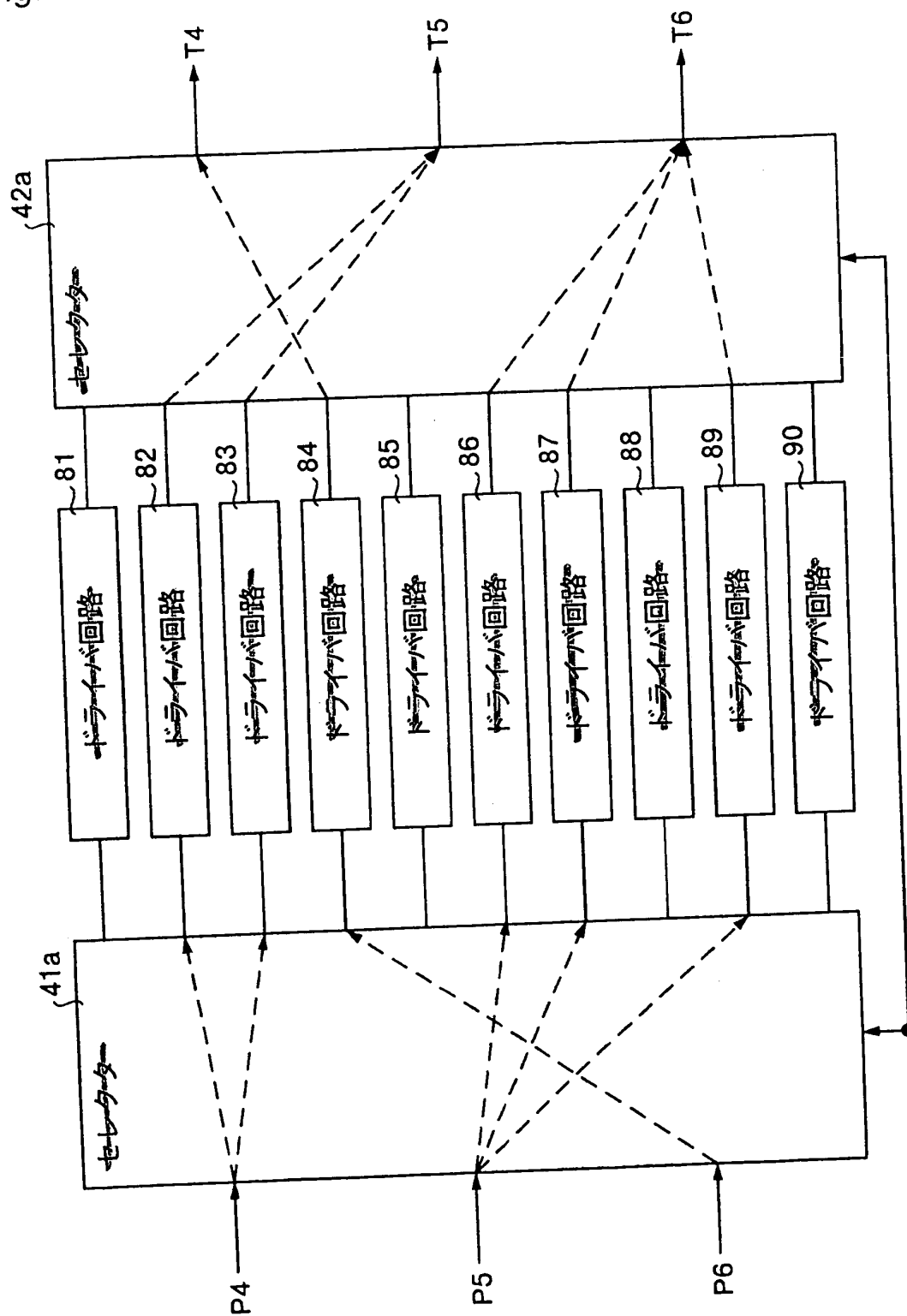


Fig. 13

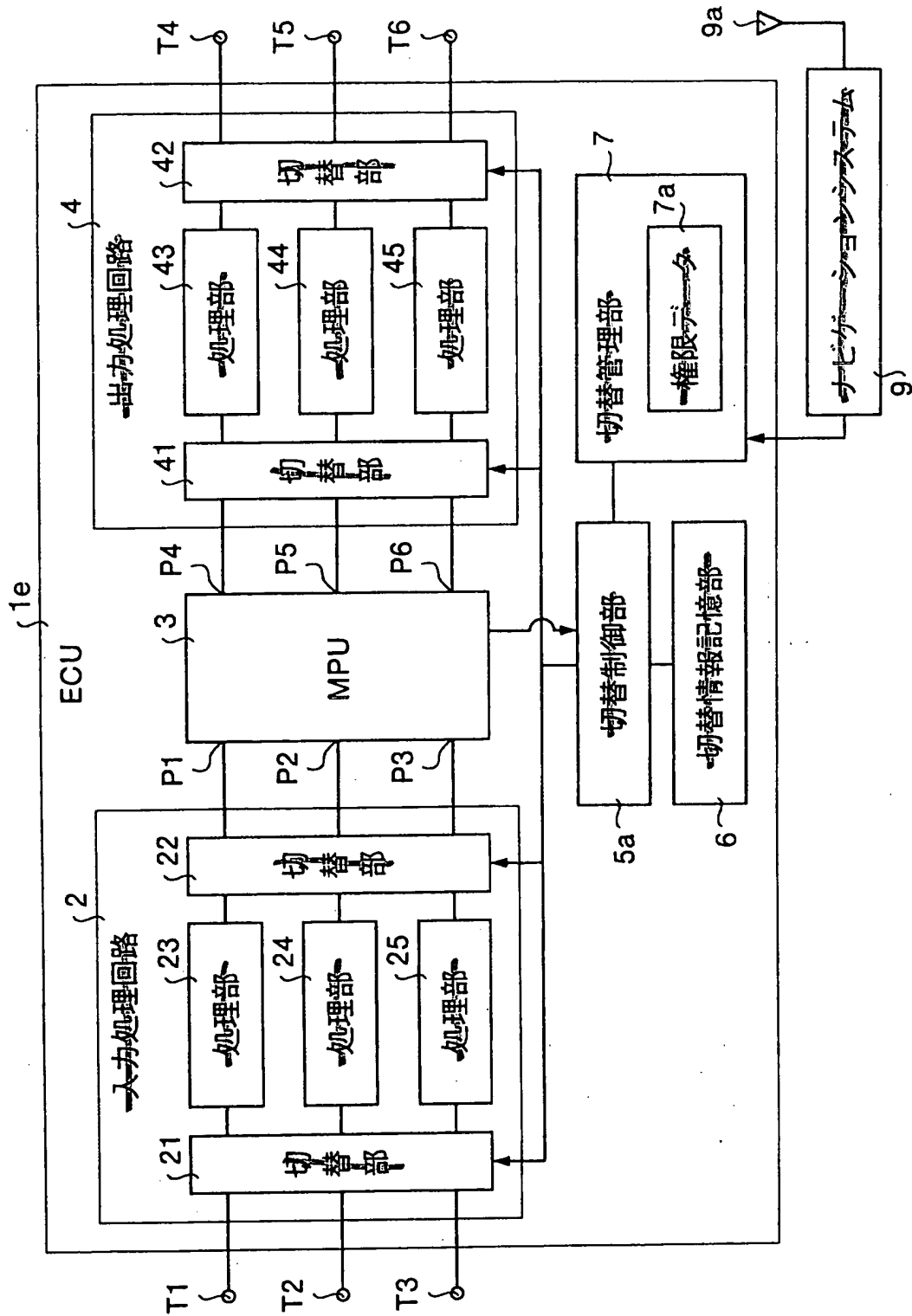


Fig. 14

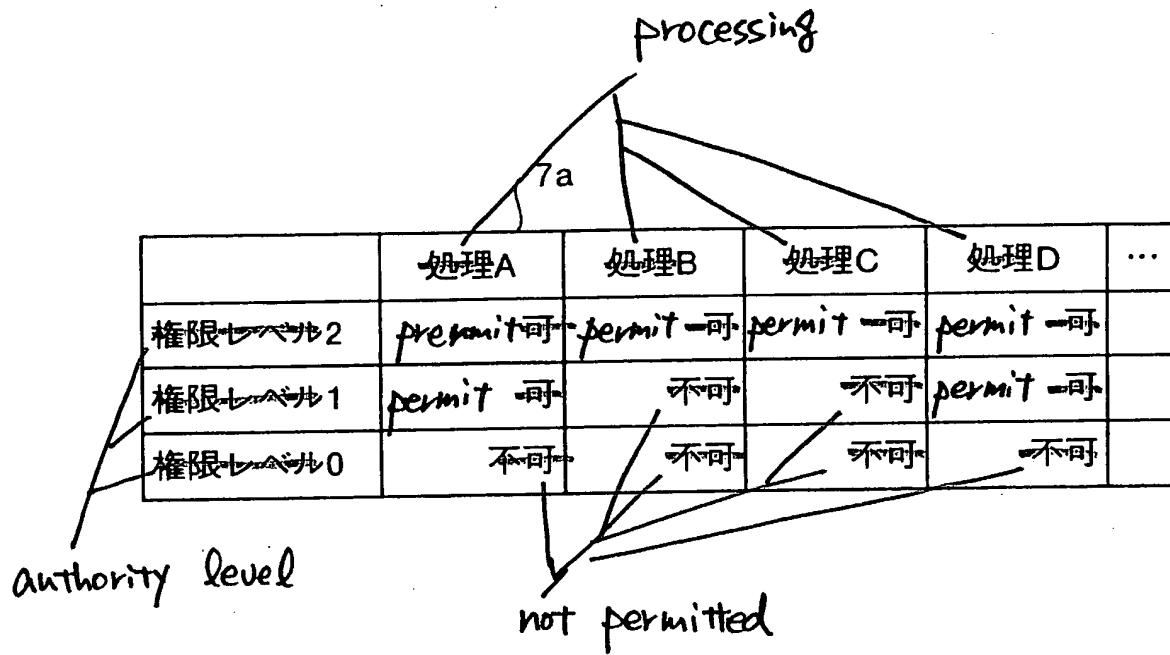


Fig. 15

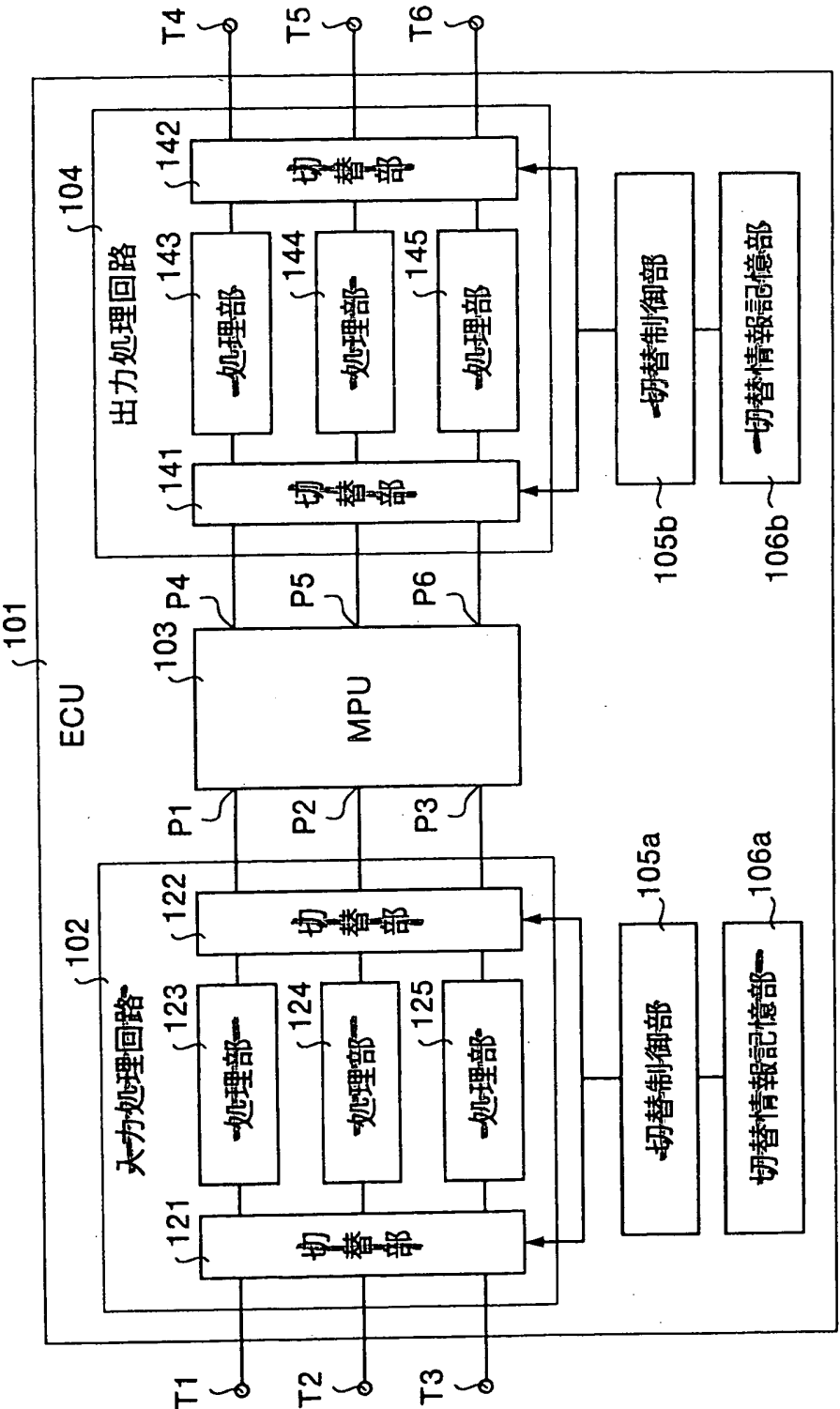


Fig. 16

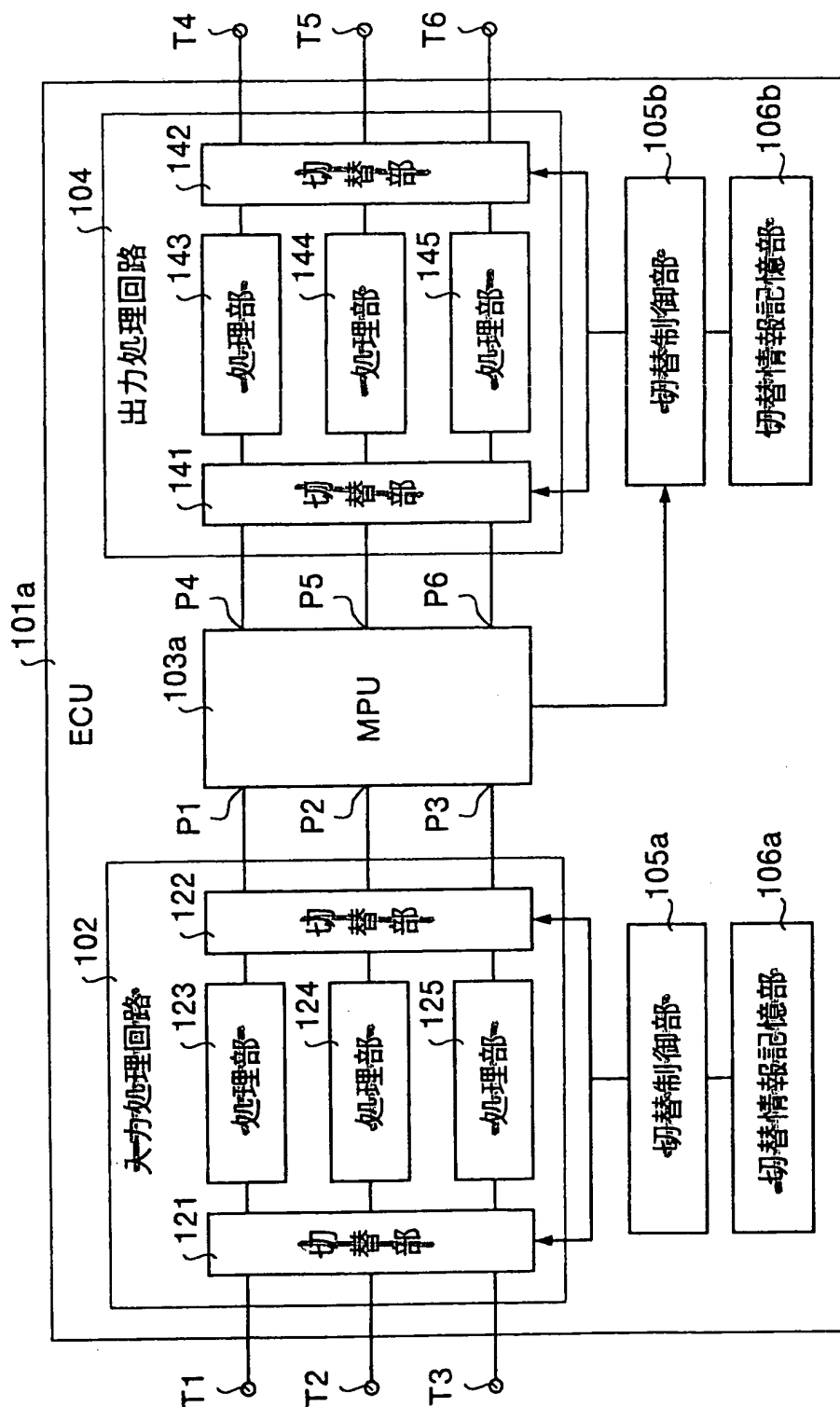


Fig. 17

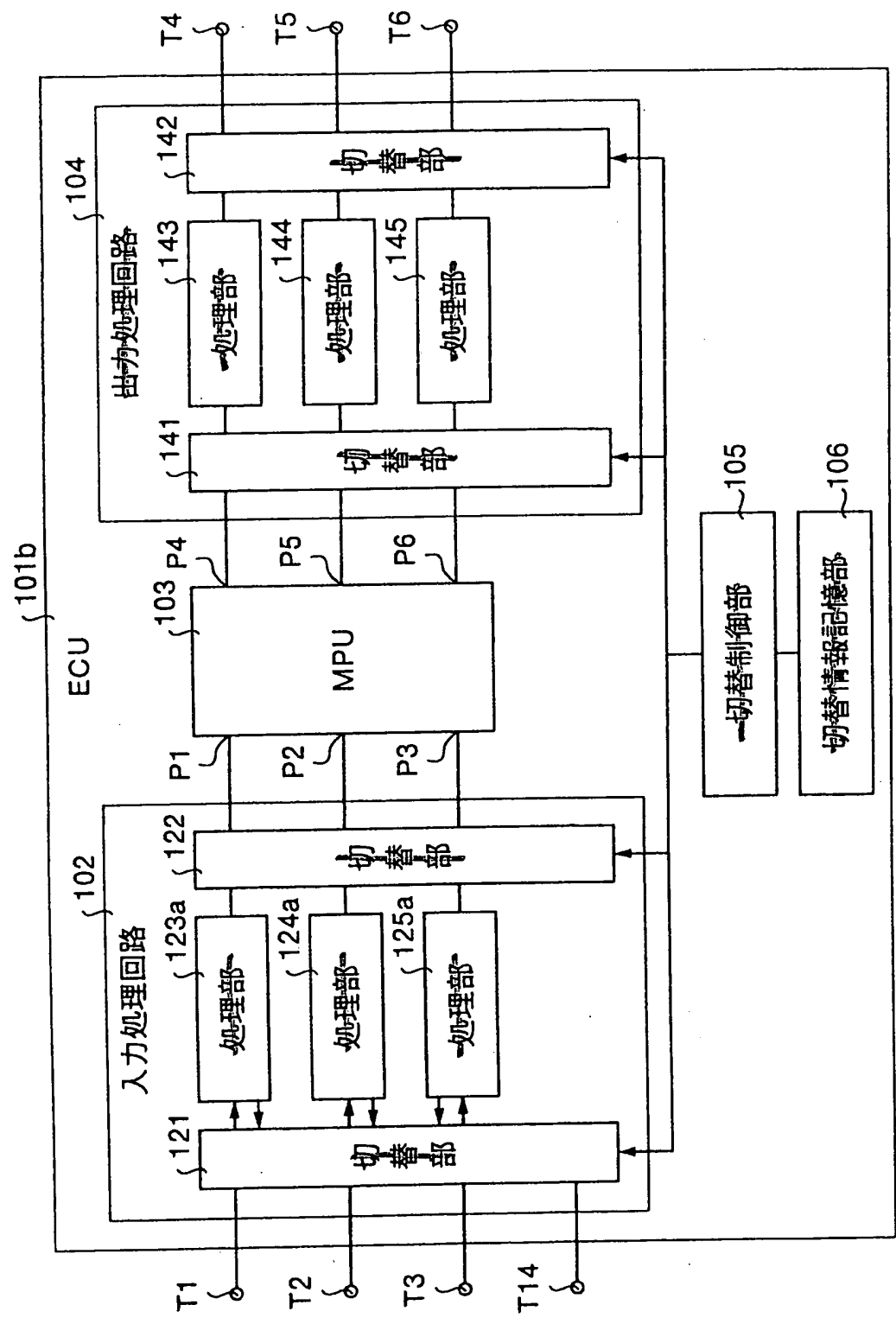


Fig. 18

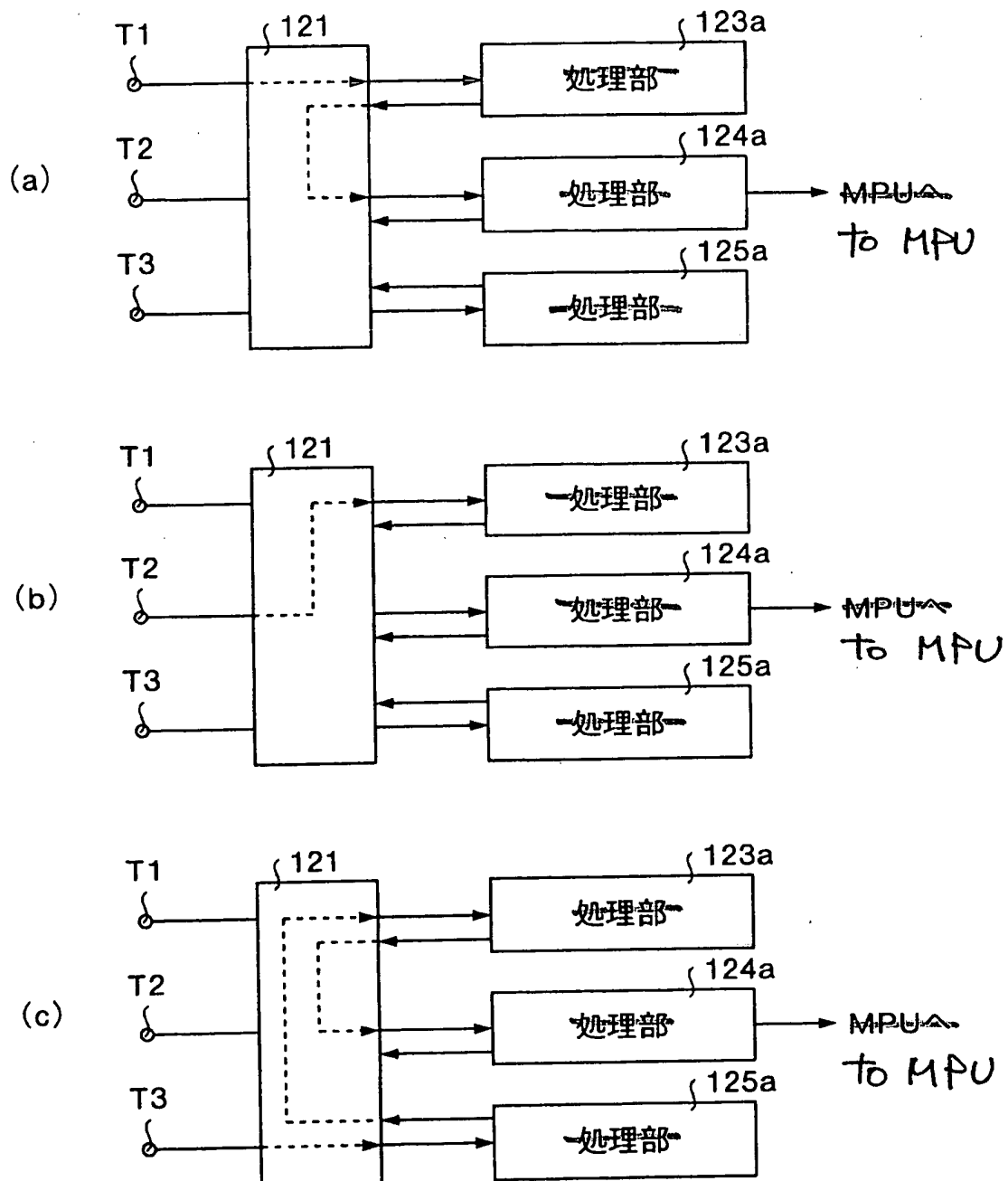


Fig. 19

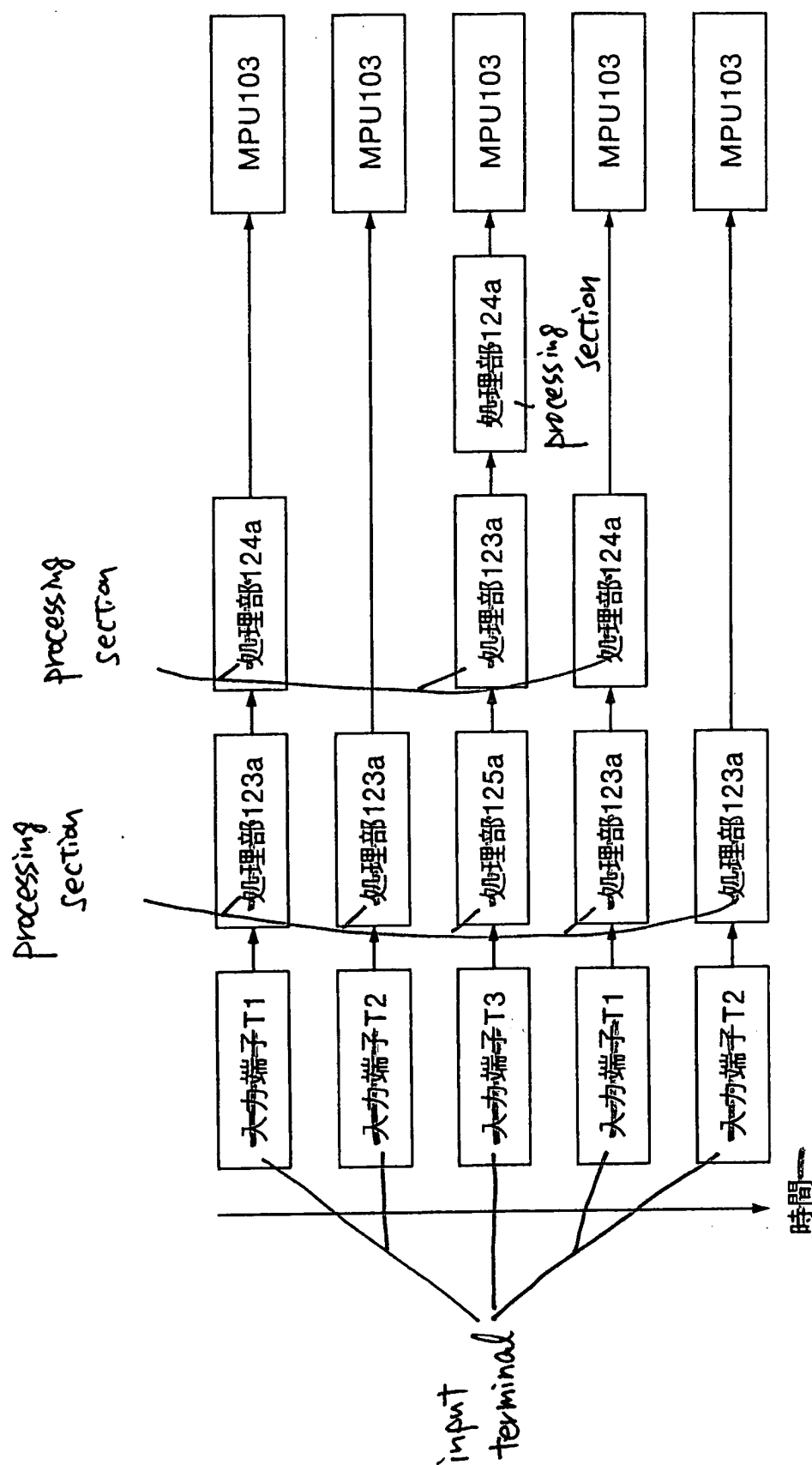


Fig. 20

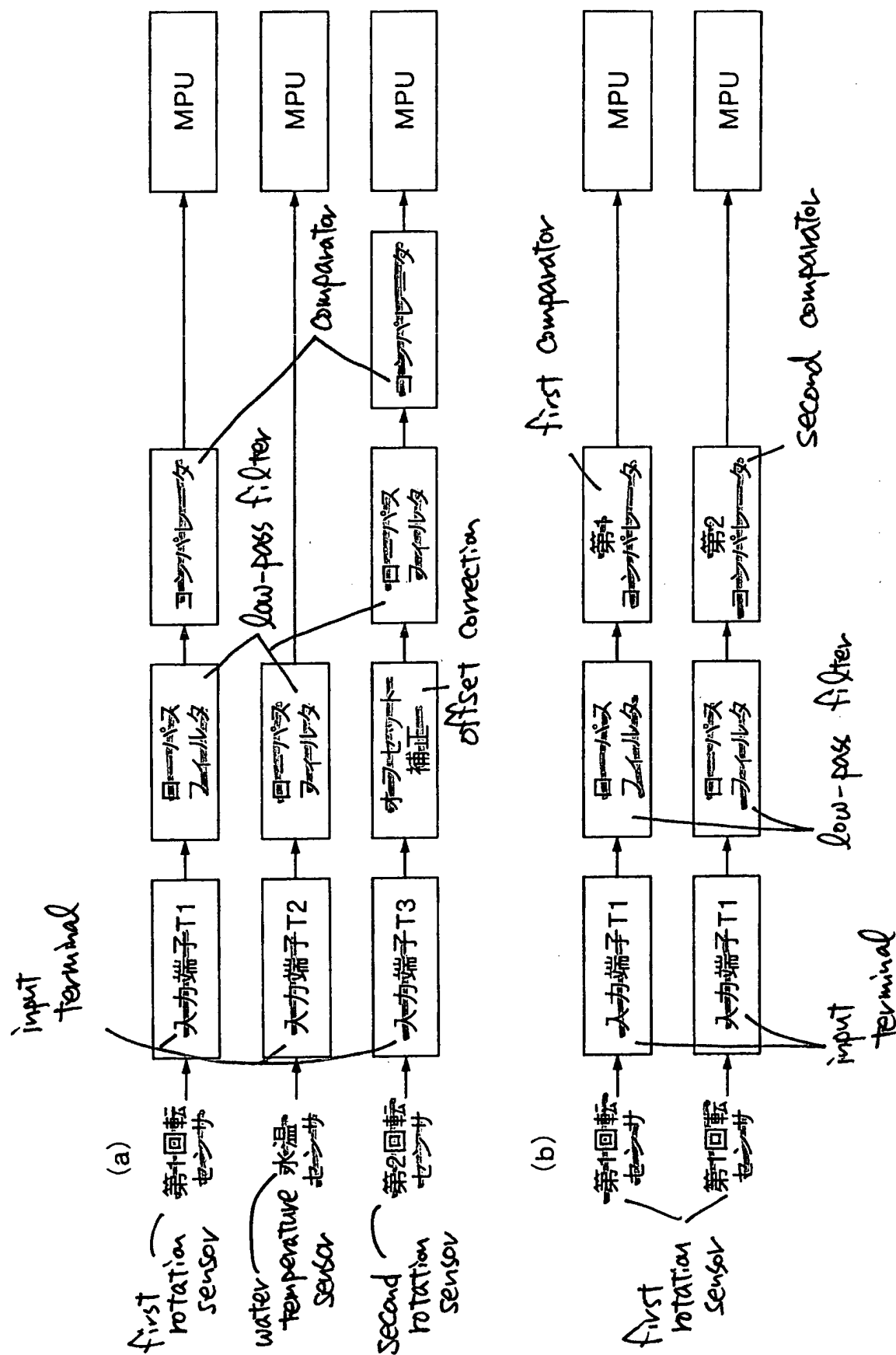


Fig. 21

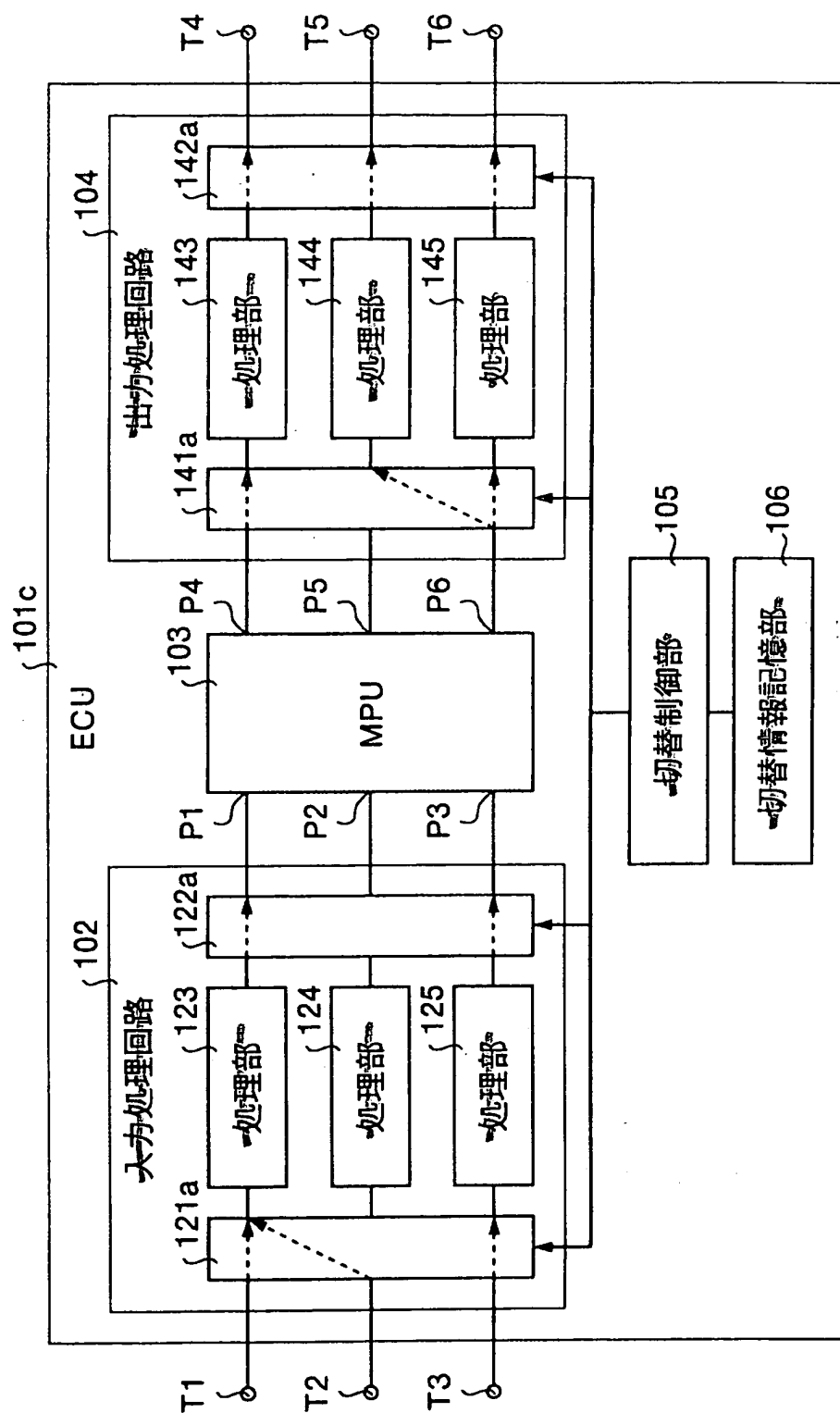


Fig. 22

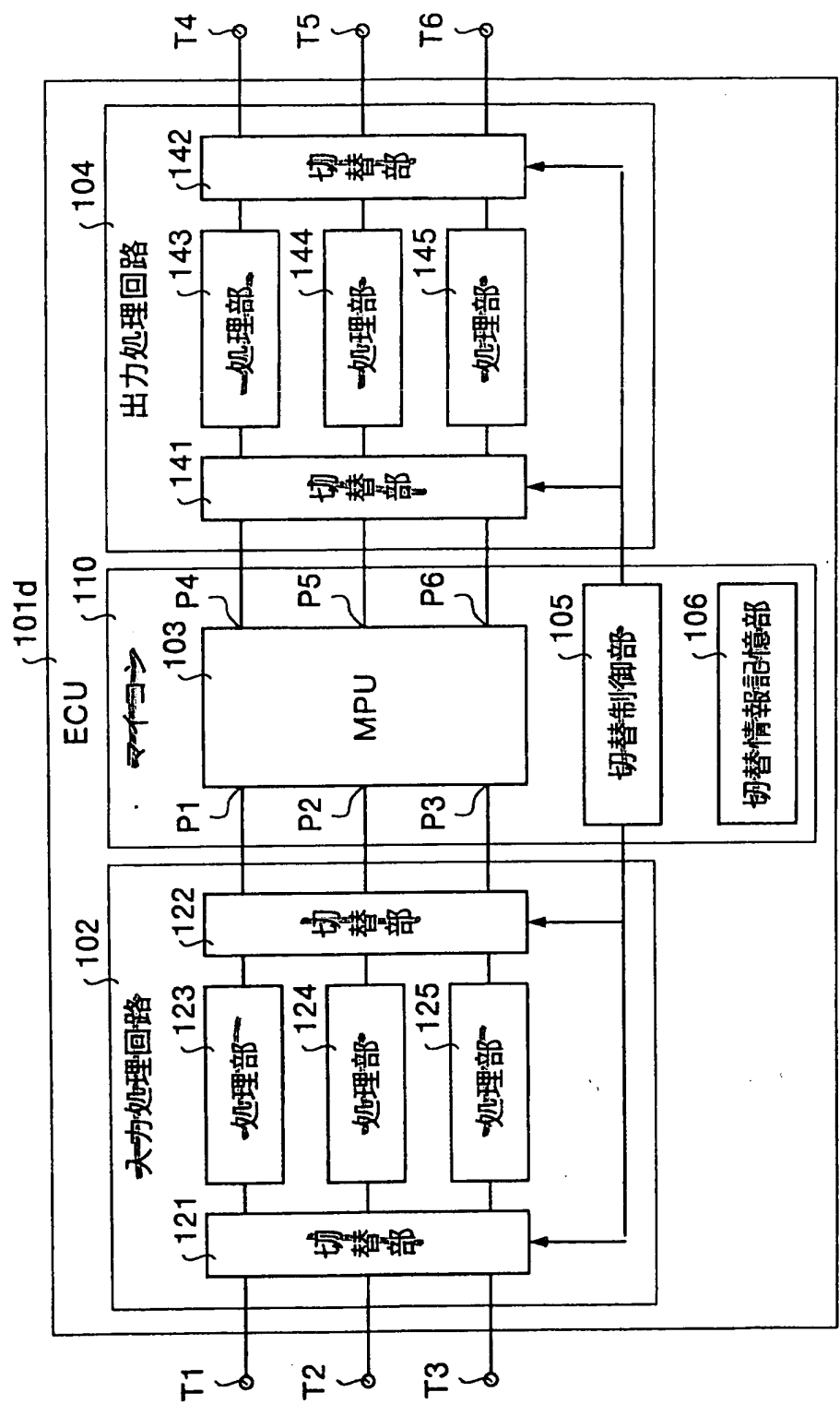


Fig. 23

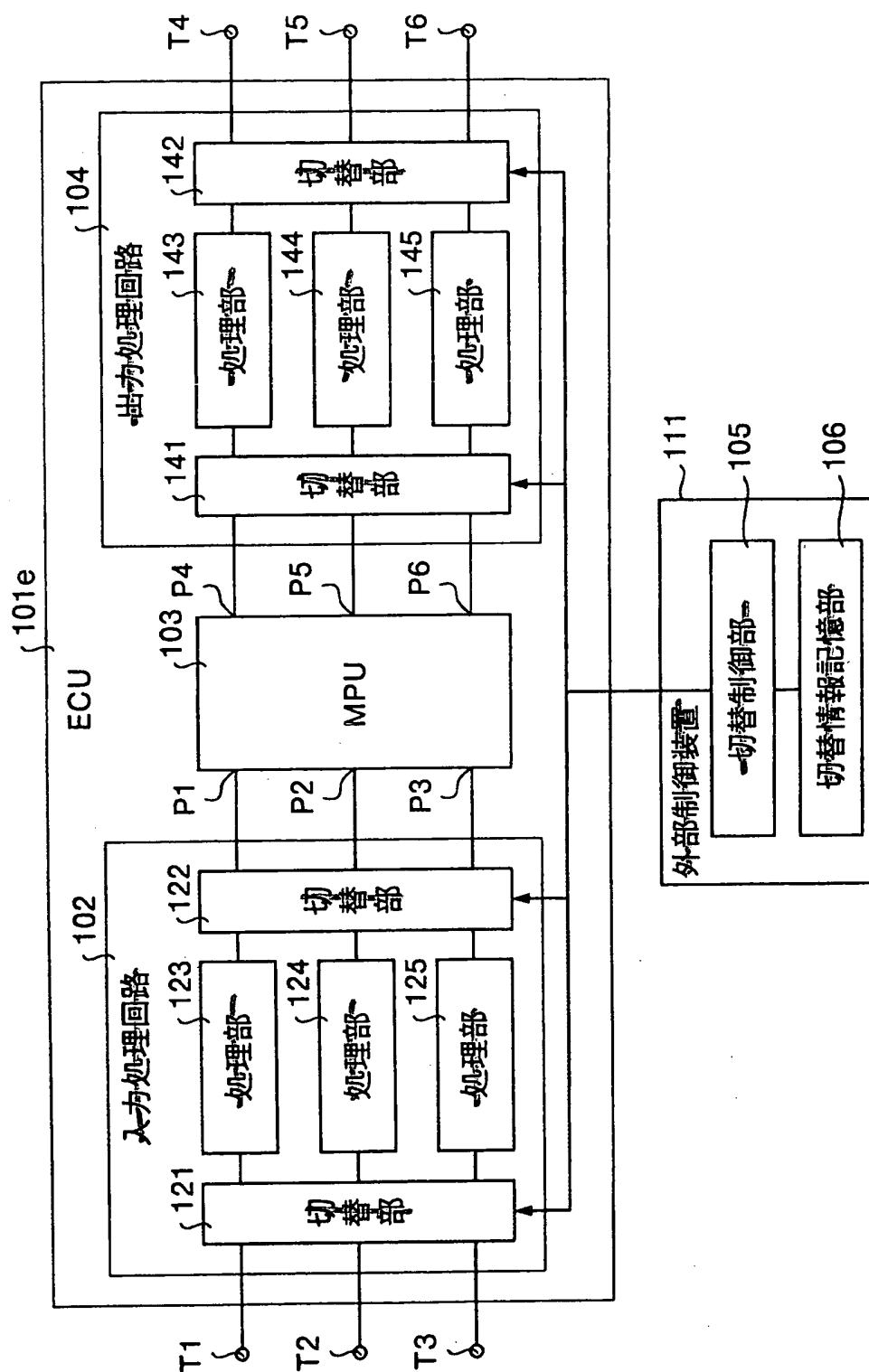


Fig. 24

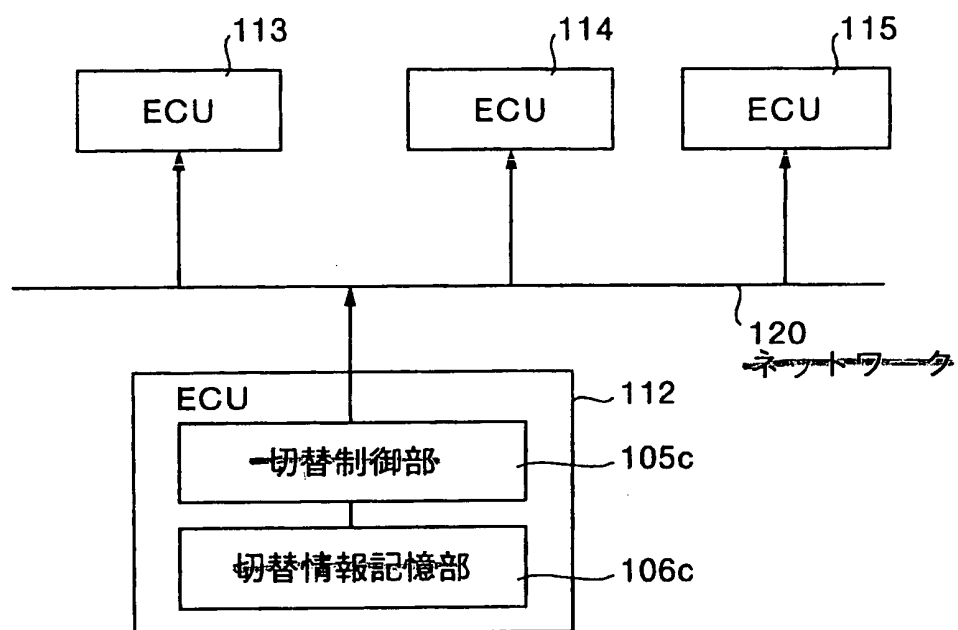


Fig. 25

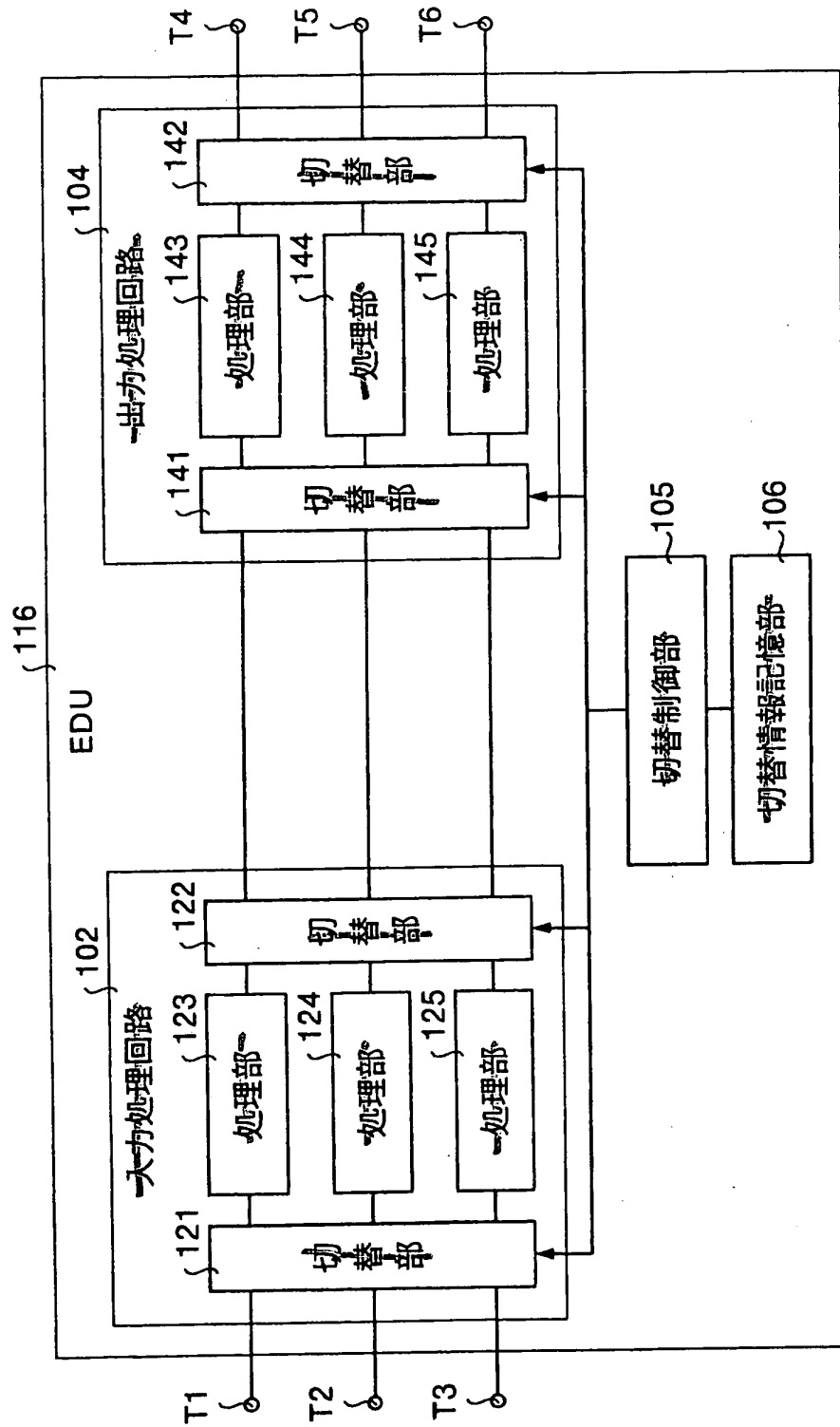


Fig. 26

